

Abraham Hamitou

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EDUCATION

Florida Atlantic University

December 2025

MSe in Information Technology Management - Engineering, (GPA: 4.00/4.00)

Boca Raton, FL

Florida Atlantic University

April 2022 - December 2024

BA in Computer Science - Artificial Intelligence

Boca Raton, FL

SKILLS

Programming Languages: Java, Python, JavaScript, CSS, HTML, SQL

Tools & Technologies: React, Node.js, Firebase, Mockito, Git, Figma, Illustrator, Jira, Scrum

Coursework: Data Structures & Algorithms, Operating Systems, Databases, Distributed Systems, Artificial Intelligence

WORK EXPERIENCE

Florida Atlantic University

May 2022 - Present

Systems Specialist PT

Boca Raton, Florida

- Streamlined IT operations by managing project priorities and resolving **system issues**, ensuring **99% uptime** and seamless project execution.
- Reduced hardware costs by **15%** through implementing **virtualization** and cloud technologies using **Hypervisor** and **VMware** consolidating multiple physical servers into virtual machines.
- Optimized ticket management efficiency, configuring RT5 with Linux and JavaScript, significantly enhancing system performance and resolving **95%** of tickets within **24 hours**.

Amazon Web Services

April 2023 - August 2023

Software Development Engineer Intern

Seattle, WA

- Developed fungibility performance metrics with **Live Migration** (LM) capabilities, optimizing resource utilization and reducing operational overhead by **15%**.
- Delivered a **high-performance** Java API for packing optimization, incorporating LM-aware metrics and backfill capacity reporting to drive significant gains in **system efficiency** and **scalability**.
- Developed a dynamic grouping module leveraging summary templates to **optimize** droplet packing, resulting in a **10% reduction** in **operational costs** by streamlining workflows and increasing overall flexibility.
- Spearheaded the implementation of an advanced optimizer service to solve complex packing problems, generating the LMAwarePackingFungibilityMetricsReport, improving packing **accuracy** and resource allocation by **25%**.
- Leveraged **AWS S3** for **scalable** and **reliable** data storage, implementing automated unit and integration tests using **Mockito** and **JUnit**, reducing manual testing efforts by **20%** and improving **code quality**.

PROJECTS

Hospital Management System | *Java, SQL*

December 2023 - June 2024

- Developed a full-stack **hospital management** system using Java with a focus on modular architecture for appointment scheduling, patient management, and doctor coordination facilitating over **500 appointments** and **300 patient** records weekly.
- Improved system scalability and maintainability, implementing **MVC architecture**, decoupling business logic, data handling, and user interface components, allowing for streamlined **maintenance** and **scalability**.
- Enabled real-time appointment scheduling, handling **100+** simultaneous users through **threading** and **concurrency** optimization achieving a **99%** uptime rate without performance bottlenecks.

Amazon Order Processing and Reporting System | *MongoDB, Power BI, APIs*

November 2024

- Processed over **30K+** monthly orders by designing a scalable MongoDB solution, ensuring efficient data handling, storage and improving **query performance** by **10%**.
- Automated performance tracking, integrating Amazon Vendor Central APIs to reduce manual effort by **80%**.
- Enhanced data accuracy, automating **100+** daily and periodic data-fetching jobs, eliminating **95%** of data synchronization errors.
- Delivered real-time insights to decision-makers, creating **10+** Power BI dashboards, increasing analytics adoption.
- Improved **API throughput** by **25%**, optimizing data exchange processes while ensuring **security** compliances.

CERTIFICATIONS

Project Management Professional Certificate by Google - 2024